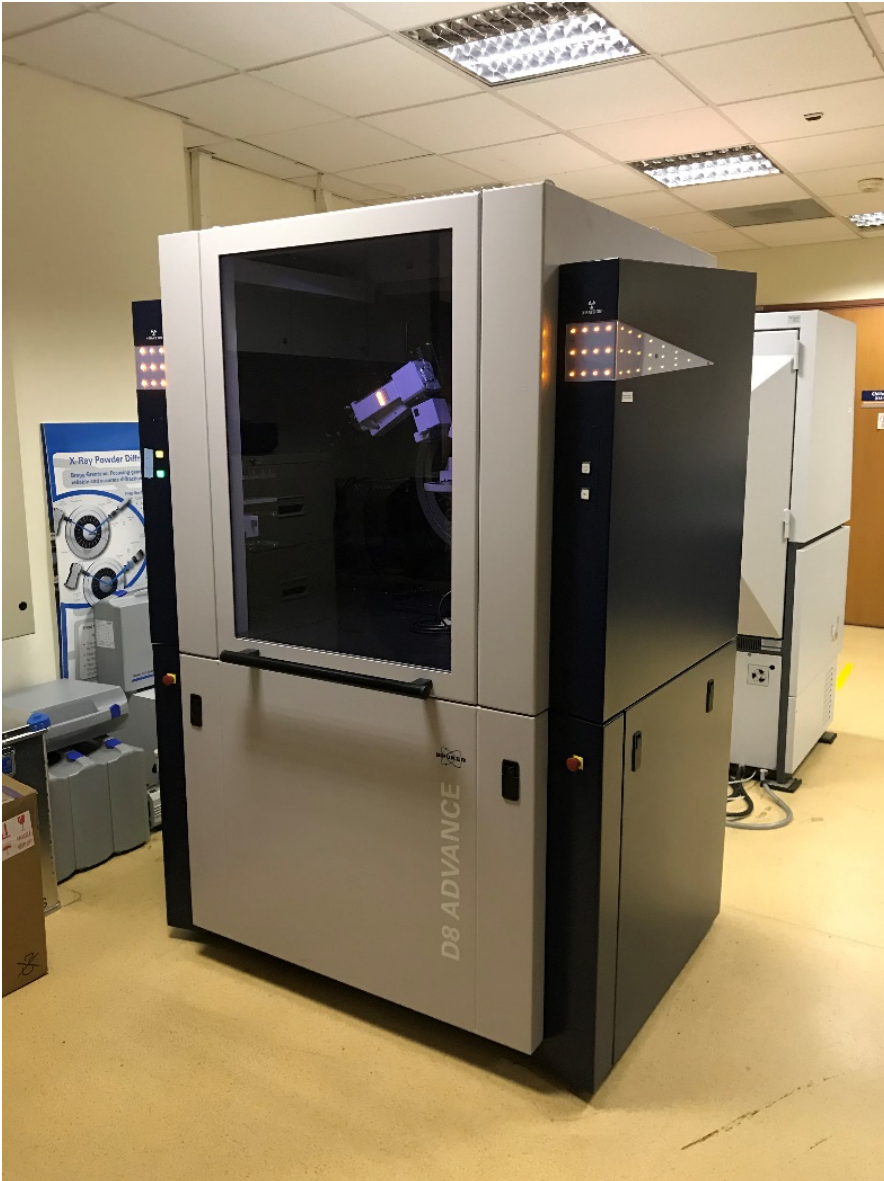


## Powder XRD



**Brand/model: Bruker D8 Advance**

Thin film XRD is a special type of X-ray diffraction optimized for thin the structural characterization of thin films (usually deposited on a substrate). Measurements are performed in Grazing Incidence mode where the X-ray tube and the sample are held stationary at low angle of incidence (“grazing”) and the detector is rotated around the sample. To enhance the intensity this instrument is equipped with a Göbel X-ray Mirror that converts the originally divergent primary beam striking the mirror into an essentially parallel beam.